CLAIMS:

1. Device for delivering a data signal at a data rate, the device comprising

- an input unit for receiving an input signal representing data and at least one auxiliary signal comprising a crosstalk signal also present in the input signal and for generating a read signal, in particular the input signal corresponding to a track being scanned by a centre spot and the auxiliary signal corresponding to a track adjacent to the track scanned by a satellite spot,
- a timing recovery unit for retrieving a synchronous clock corresponding to the data rate, and
- a crosstalk reducing unit for reducing crosstalk in the data signal, the crosstalk reducing unit comprising
- an adaptive filter for filtering the auxiliary signal to generate the crosstalk signal,
- a subtractor for subtracting the crosstalk signal from a read signal from the input unit, and
- a calculating unit for calculating filter coefficients for the adaptive filter,

characterized in that the adaptive filter and subtractor are coupled to an asynchronous clock for operating at an asynchronous sample rate, and in that the crosstalk reducing unit comprises a sample rate converter coupled to the synchronous clock for converting the output of the subtractor to the data signal at a synchronous sample rate, the timing recovery unit being coupled to the data signal for said retrieving of the synchronous clock.

2. Device as claimed in claim 1, wherein the calculating unit is coupled to the synchronous clock for operating at the synchronous sample rate.

3. Device as claimed in claim 2, wherein the crosstalk reducing unit comprises inverse conversion means for converting the filter coefficients calculated at the synchronous sample rate for the adaptive filter operating at the asynchronous sample rate.

4. Device as claimed in claim 3, wherein the inverse conversion means comprise latches for allowing re-sampling of the filter coefficients at the asynchronous sample rate.

5. Device as claimed in claim 3, wherein the adaptive filter has sections spaced at a sample period corresponding to the asynchronous sample rate, and the inverse conversion means comprise a spatial interpolator for converting filter coefficients calculated for an adaptive filter having sections spaced at a sample period corresponding to the synchronous sample rate into filter coefficients for the adaptive filter.

6. Device as claimed in claim 1, wherein the calculation unit is arranged for calculating the filter coefficients based on the data signal and the auxiliary signal by a least mean square function.

7 Device as claimed in claim 6, wherein the crosstalk reducing unit comprises at least one delay unit coupled to a further sample rate converter for generating from the auxiliary signal a delayed synchronized signal as input signal for the calculation unit.

8. Device as claimed in claim 6, wherein the calculation unit comprises an integrator unit for integrating filter coefficient correction values calculated according to the least mean square function.

9. Device as claimed in claim 1, wherein the device comprises means for setting the asynchronous sample rate at a predefined, substantially constant, ratio to the synchronous sample rate.

10. Device as claimed in claim 1, wherein the input unit comprises means for converting an input signal to the read signal sampled at the asynchronous sample rate, in particular the input unit comprising at least one analog to digital conversion unit operating at a free running clock coupled to a sample rate converter for converting the sampled input signal to the read signal sampled at the asynchronous sample rate.

11. Device as claimed in claim 1, wherein the device is for scanning a track on a record carrier, the track comprising marks representing information, and the device

comprises a head for scanning the track and generating the input signal and the auxiliary signal, and a read unit for retrieving the information from the data signal.